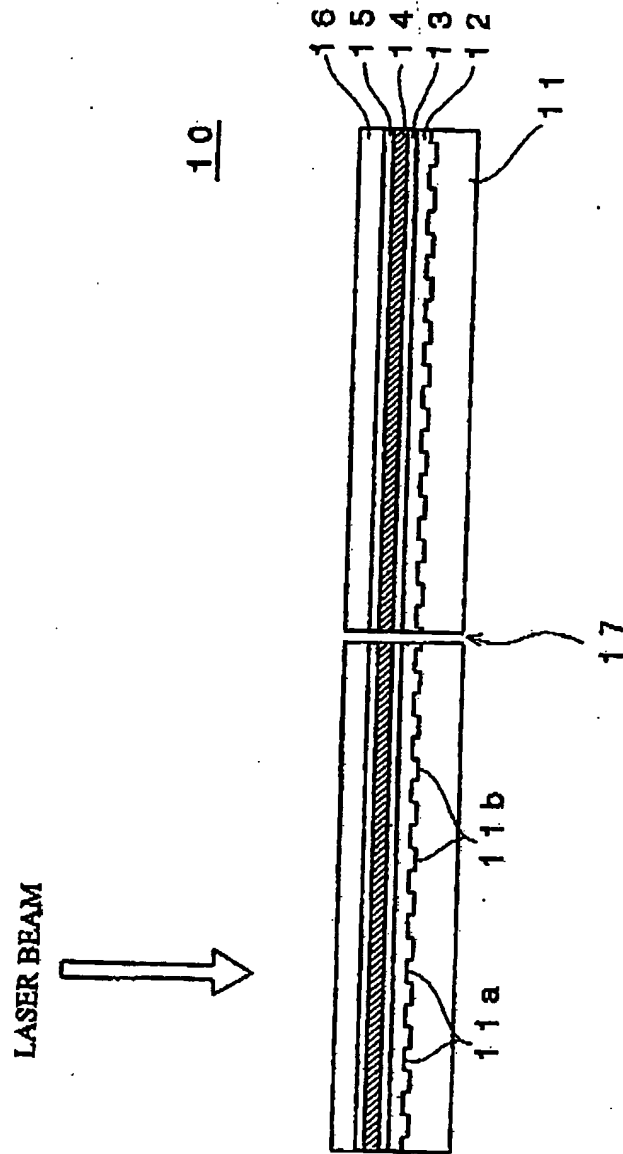


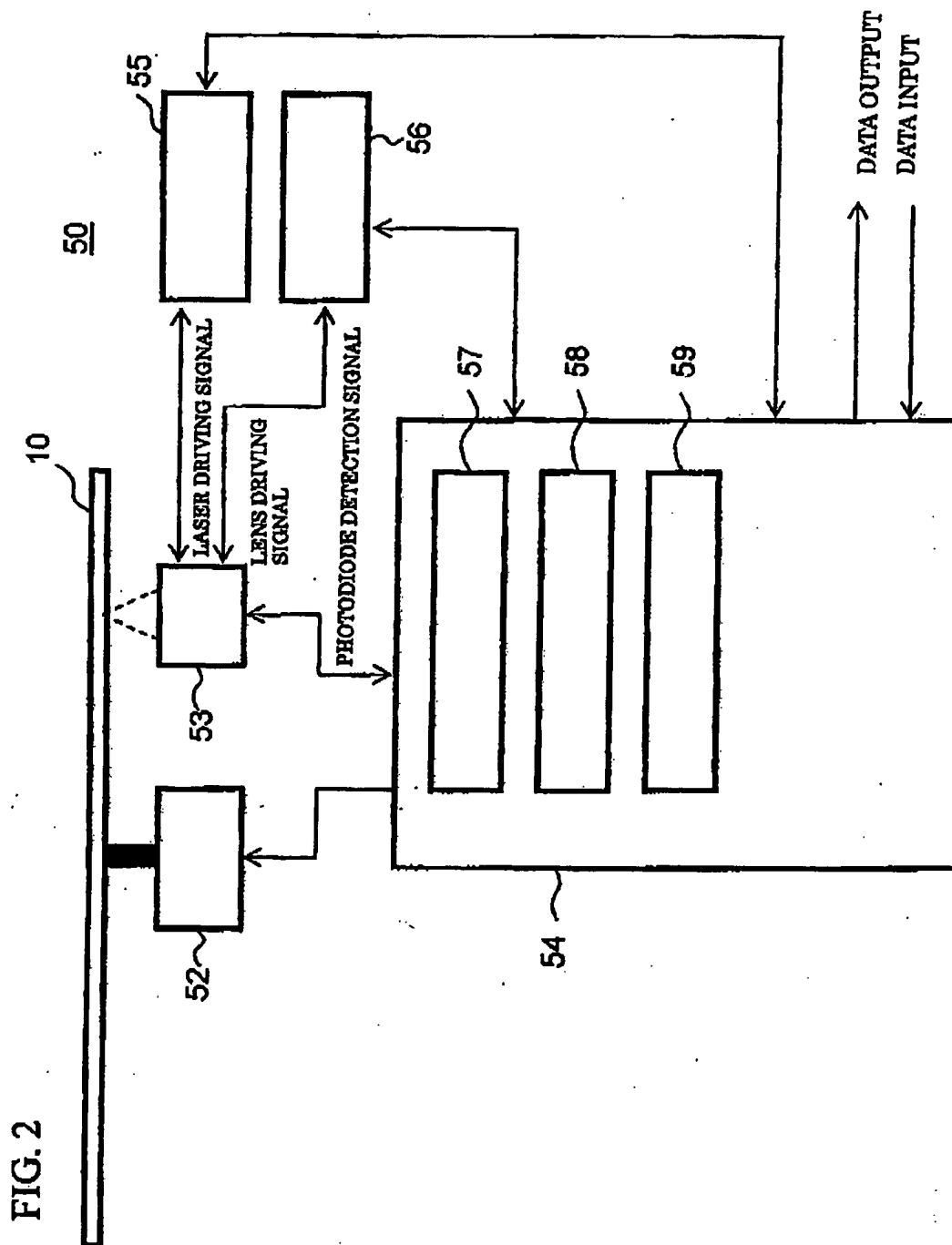
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FIG. 1



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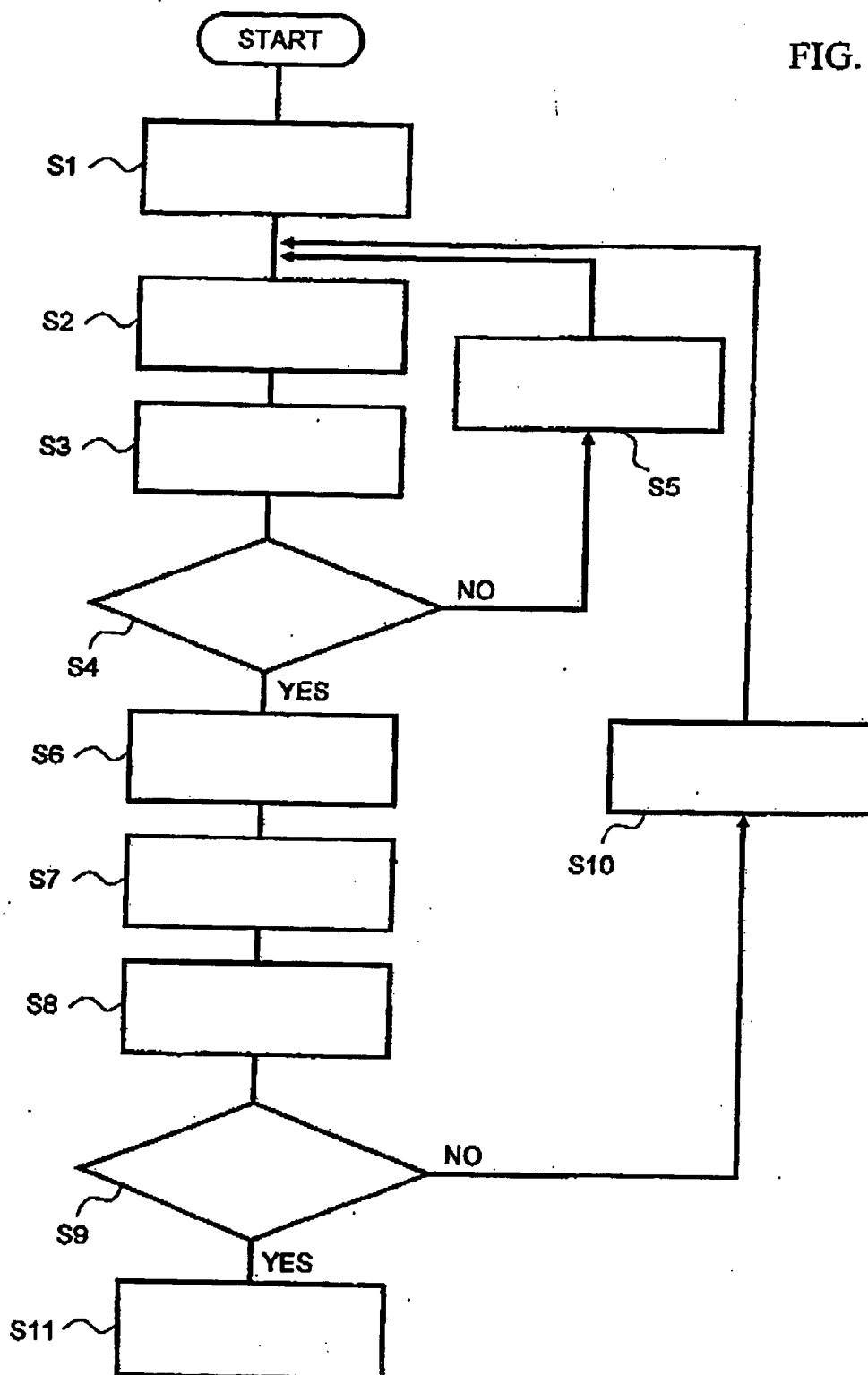
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FIG. 3



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FIG. 4

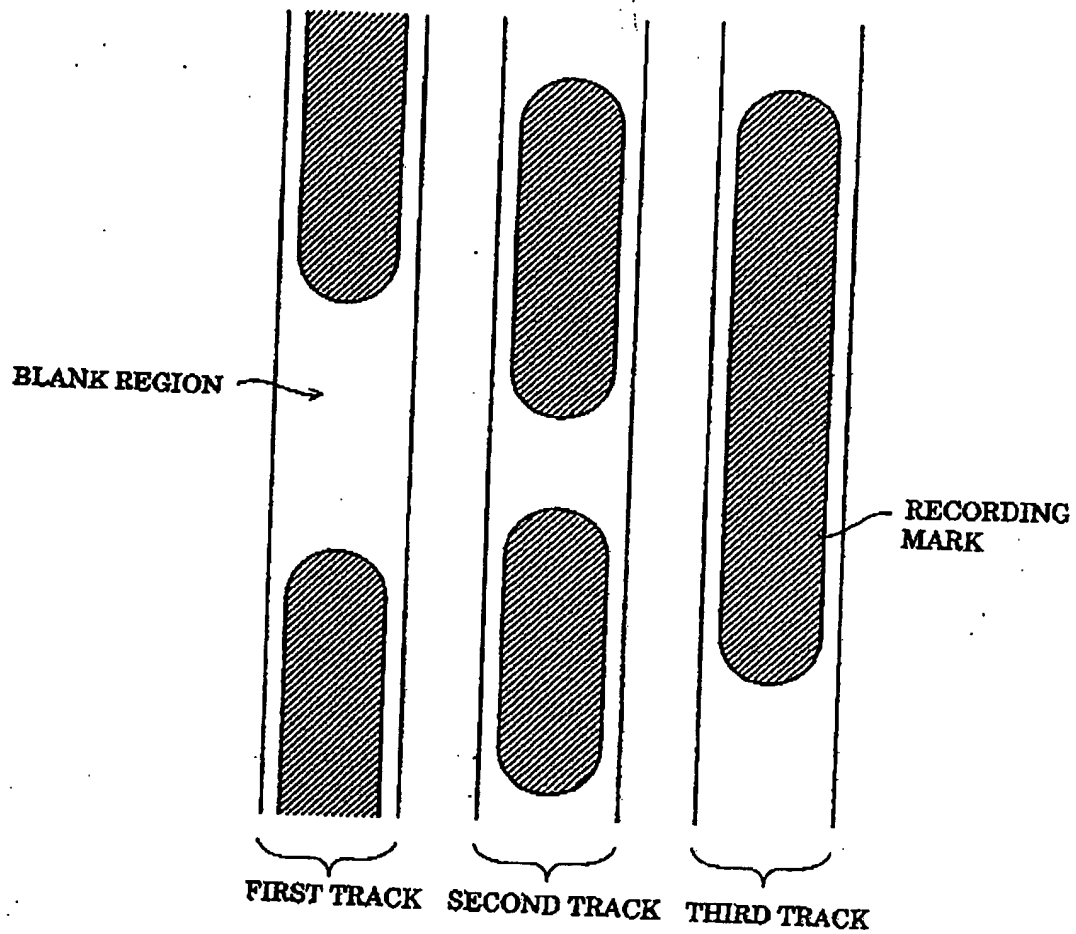
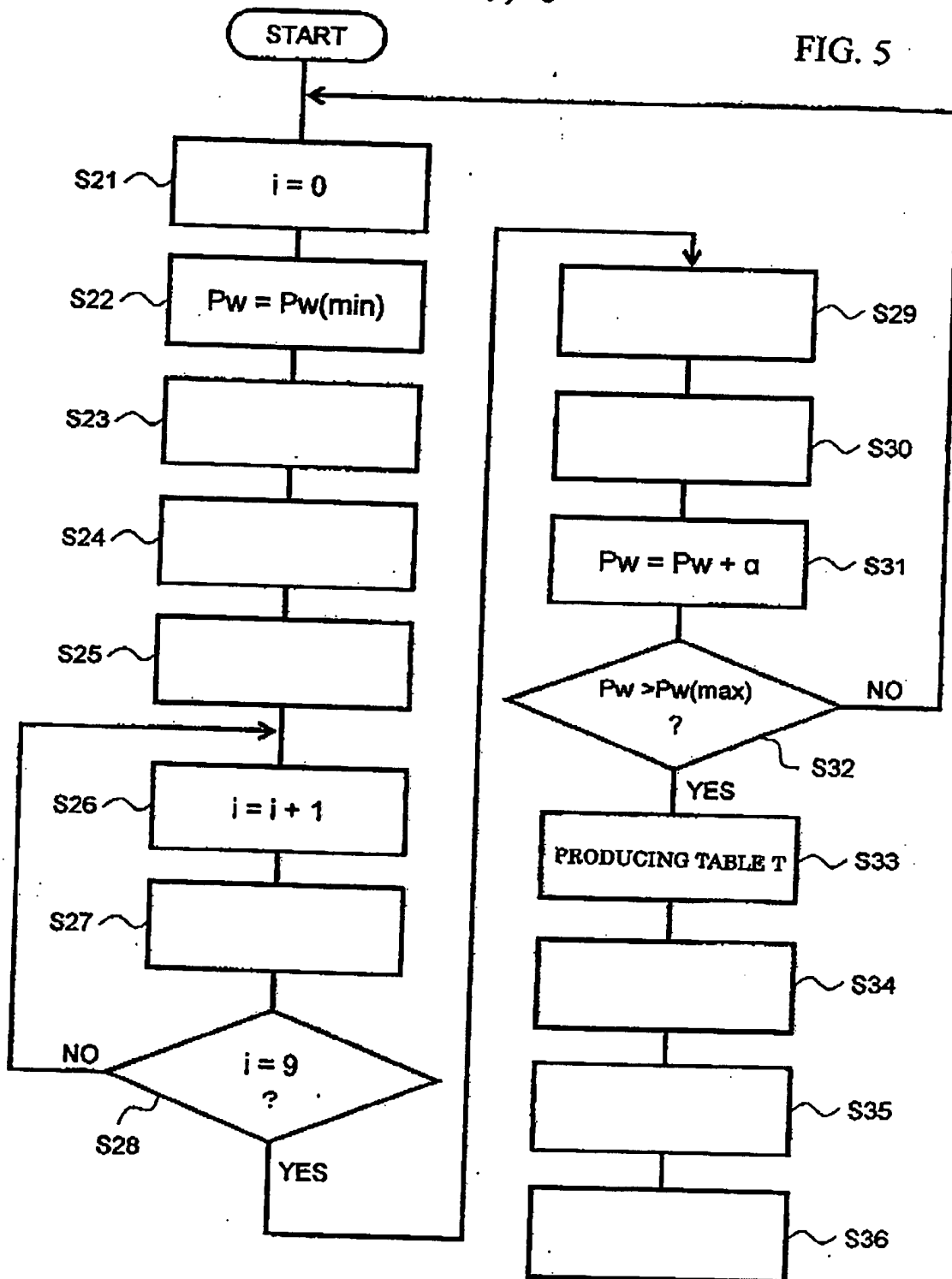


FIG. 5



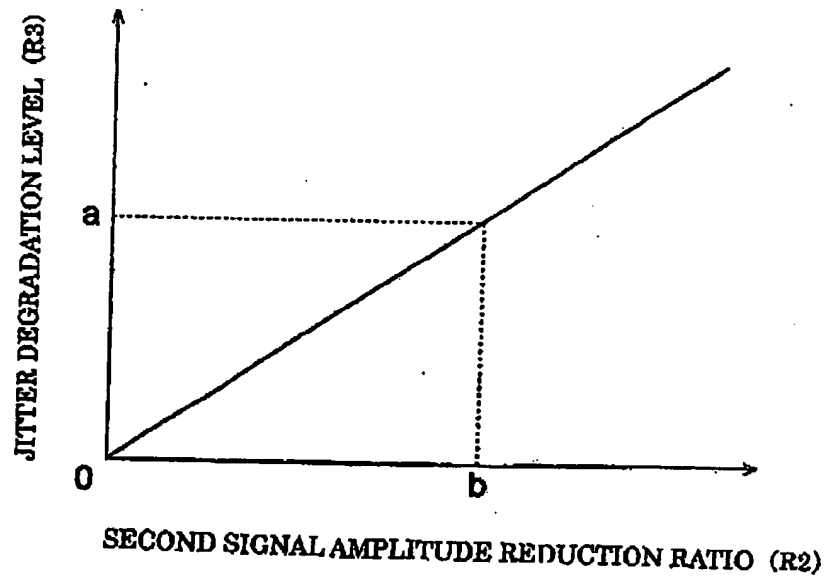
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FIG. 6

| | R1 | R2 | R3 |
|----------------------------|-------|-------|-------|
| $P_w = P_w(\min)$ | ***** | ***** | ***** |
| $P_w = P_w(\min) + \alpha$ | ***** | ***** | ***** |
| ⋮ | ⋮ | ⋮ | ⋮ |
| $P_w = P_w(\max)$ | ***** | ***** | ***** |

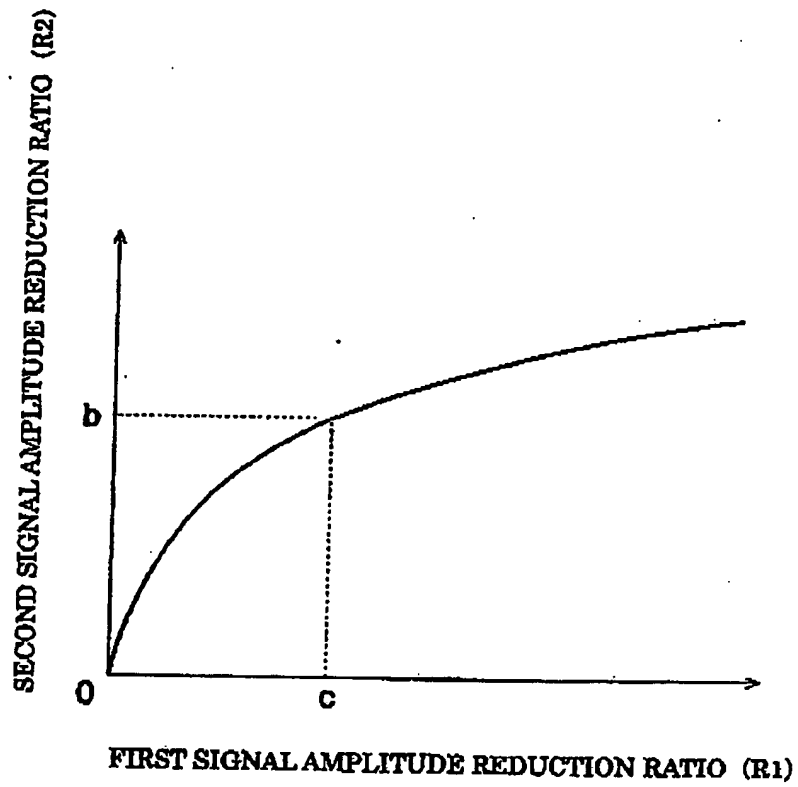
FIG. 7



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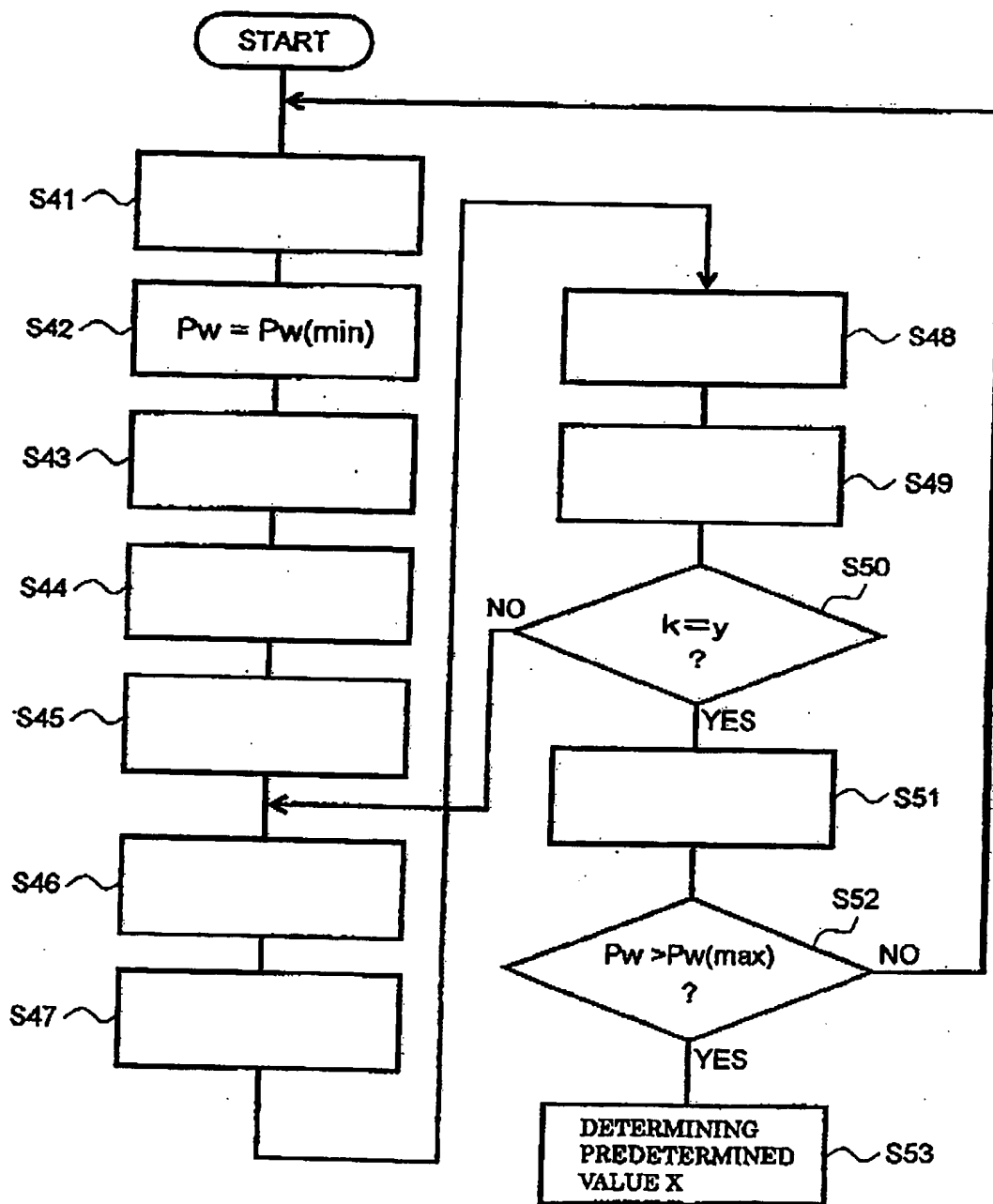
FIG. 8



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FIG. 9



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- 5 2SPINDLE MOTOR
- 5 3HEAD
- 5 4CONTROLLER
- 5 5LASER DRIVING CIRCUIT
- 5 6LENS DRIVING CIRCUIT
- 5 7FOCUS SERVO CIRCUIT
- 5 8TRACKING SERVO CIRCUIT
- 5 9LASER CONTROL CIRCUIT
- S 1RECORDING TEST SIGNAL
- S 2REPRODUCING TEST SIGNAL RECORDED ON SECOND TRACK
- S 3MEASURING PREDETERMINED SIGNAL CHARACTERISTICS
- S 4SIGNAL CHARACTERISTICS SATISFIES REFERENCE
CONDITIONS ?
- S 5CHANGING RECORDING POWER PW AND RECORDING TEST
SIGNAL
- S 6REPRODUCING TEST SIGNALS RECORDED ON SECOND TRACK
AND THIRD TRACK
- S 7MEASURING AMPLITUDE OF SIGNAL
- S 8CALCULATING FIRST SIGNAL AMPLITUDE REDUCTION RATIO
(R_1)
- S 9 R_1 IS EQUAL TO OR LOWER THAN R_C ?
- S 1 0LOWERING RECORDING POWER PW AND RECORDING TEST
SIGNAL
- S 1 1DETERMINING OPTIMUM RECORDING POWER PW
- S 2 3RECORDING TEST SIGNAL
- S 2 4REPRODUCING TEST SIGNALS RECORDED ON SECOND TRACK
AND THIRD TRACK
- S 2 5MEASURING JITTER AND AMPLITUDE OF SIGNAL
- S 2 7RECORDING TEST SIGNAL
- S 2 9REPRODUCING TEST SIGNAL RECORDED ON SECOND TRACK
- S 3 0MEASURING JITTER AND AMPLITUDE OF SIGNAL
- S 3 3PRODUCING TABLE T
- S 3 4PRODUCING FIRST GRAPH
- S 3 5PRODUCING SECOND GRAPH
- S 3 6DETERMINING R_C
- S 4 1 $K = 0$
- S 4 3RECORDING TEST SIGNAL
- S 4 4REPRODUCING TEST SIGNALS RECORDED ON SECOND TRACK
AND THIRD TRACK
- S 4 5MEASURING JITTER OF SIGNAL
- S 4 6 $K = K + 1$
- S 4 7RECORDING TEST SIGNAL
- S 4 8REPRODUCING TEST SIGNAL RECORDED ON SECOND TRACK
- S 4 9MEASURING JITTER OF SIGNAL
- S 5 1 $PW = PW + B$